YC-1

Guanylyl cyclase activator

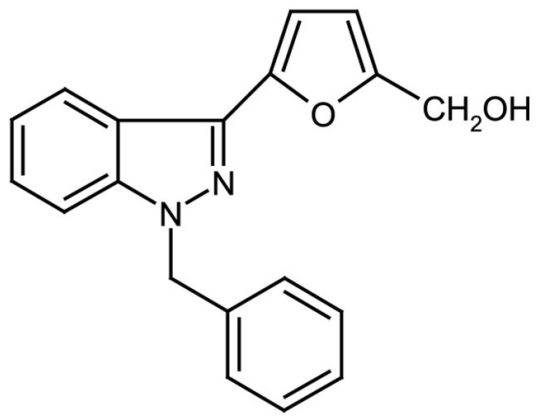
Nitric oxide (NO) independent, superoxide-sensitive stimulator of soluble guanylyl cyclase (sGC), EC_{50}=18.6μM. Induces concentration-dependent increase in cGMP levels in cultured cells and in rabbit aortic rings. Inhibits platelet adhesion to collagen. Non-specific phosphodiesterase inhibitor. YC-1 inhibits HIF-α activity in tumors resulting in blocked angiogenesis and an inhibition of tumor growth. Inhibits Na^+ channel.Binds to [^{3}H]BW202W92.

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ALX-420-025-M001	1mg
ALX-420-025-M005	5mg

Manuals, SDS & CofA View Online »


O
CH2OH
N
N

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to pale yellow powder.
CAS	170632-47-0
Couple Target	Guanylyl cyclase
Couple Type	Activator
Formula	$C_{19}H_{16}N_2O_2$
Identity	Identity determined by 1H-NMR.
MW	304.4
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO, methanol or dichloromethane.

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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